

Top 5 reasons to adopt an open hyperconverged infrastructure



Welcome to an open hyperconverged world

Organizations want simplicity without compromise. An open hyperconverged infrastructure provides just what they need: integrated software-defined compute and storage in a single, powerful, easy-to-manage footprint that can be deployed in different environments and for different purposes. Remote offices. At the edge. In consolidated datacenters. You name it.

Traditionally, most hyperconverged solutions have come from vendors who aren't necessarily interested in companies' long-term needs. That can't be the case in today's environment. Companies require flexibility, scalability, openness, and the ability to partner with organizations that have the vision to support their three-year plans.

Sound like you? If so, check out five reasons why you should consider adopting an open hyperconverged infrastructure today.

1 Infrastructure consolidation

An open hyperconverged infrastructure lets you consolidate to a smaller footprint. You can reduce everything onto a smaller set of servers, saving space and creating greater efficiencies.

Red Hat's open hyperconverged infrastructure solutions eliminate the need for a discrete storage tier. They make storage invisible by stitching it into the workflows in the application infrastructure as opposed to a separate storage server. Plus, there's no need for a separate storage provider or specialized storage expert.

2 Open source innovation

An open hyperconverged infrastructure is driven by continuous innovation from the upstream open source community. The community's efforts create virtualization, software-defined storage, and open networking technologies to provide the core of a hyperconverged infrastructure with greater flexibility and lower costs than proprietary solutions.

Red Hat offers the industry's only truly open source hyperconverged infrastructure solution. We believe the future is in the upstream community and are committed to supporting innovative technologies—including AIOps, Kubernetes, KubeVirt, Rook, and Knative—that are key to the future of application and infrastructure deployment.

3 Datacenter transformation

Open hyperconverged infrastructure is the first step toward more flexible and highly scalable datacenter management. Companies can start small and grow over time, with no "rip and replace" upgrades necessary.

Open hyperconverged infrastructure is easier to administer, yet more powerful, than efforts to manage the operating system, virtualization, and storage layers separately. And, of course, its open source nature means that companies have freedom of choice to use the computing hardware they want without fear of vendor lock-in.

4 Cost optimization

Packaging everything together leads to greater cost efficiencies and better overall value. You can enjoy lower operation costs by managing compute and software-defined storage resources together through a single, easy-to-use interface.

Plus, you don't need to keep adding to your vendor count—particularly if you're a Red Hat® customer. Red Hat has an extensive award-winning portfolio that begins with Red Hat Enterprise Linux® and continues with virtualization, software-defined storage, automation, and more. You can get your entire mature infrastructure stack from one place.

5 Containerization and virtualization

An open hyperconverged infrastructure lets you run virtualized workloads and containers side by side, making them easier and more cost-effective to manage. Add automation, and you have an IT environment that is built to accelerate application development, today and in the future.

When you're considering that future, it's important to select a vendor that has invested in the technologies that are shaping the application development landscape. With our commitment to container-native virtualization, Kubernetes, and other tools, Red Hat is the ideal hyperconverged infrastructure partner.

Why Red Hat?

Red Hat knows what it takes to create a successful open hyperconverged environment, and we have all of the tools and capabilities you need to create your own. Among them are data deduplication and compression for data reduction, virtual graphics processing unit (VGPU) support, Ansible®-based automated deployment, and software-defined networking and powerful network edge performance capabilities.

We are a trusted provider that you can count on to be with you as you embark on your open hyperconverged infrastructure journey. Let us show you the way.

Visit <https://www.redhat.com/en/technologies/storage/hyperconverged-infrastructure> or download the Enterprise Strategy Group analyst report [Addressing IT Infrastructure Complexity for Today and Tomorrow](#) to learn more about how Red Hat can help you simplify your infrastructure without compromise.

About Red Hat



Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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